HYBRIDIZATION OF POLYNUCLEOTIDES
CONJUGATED WITH CHROMOPHORES AND
FLUOROPHORES TO GENERATE ...
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**DISASSOCIATED SYSTEM** 

(DONOR OLIGOMER)

(ACCEPTOR OLIGOMER)

D
A
I
5'---ATGCATACGT-3'
3'-----TACGTATGCA----AGTCATGCTA-----5'
(TARGET SEQUENCE)

Fig. 1A

# ASSOCIATED SYSTEM

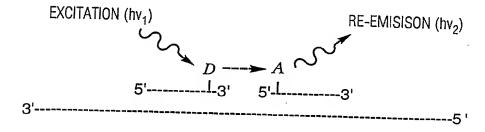
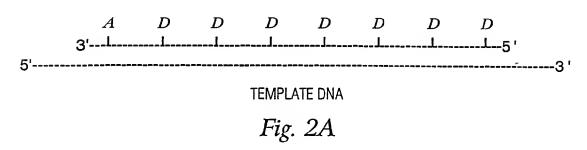
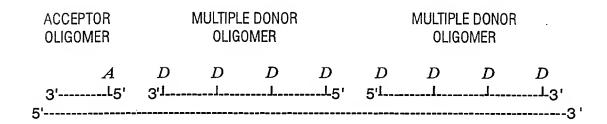


Fig. 1B

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#### MULTIPLE DONOR / ACCEPTOR POLYNUCLEOTIDE





TEMPLATE DNA

Fig. 2B

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### **ASSEMBLED ORGANIZED STRUCTURE**

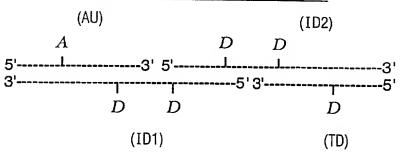


Fig. 3A

## **EXTENDED ENERGY TRANSFER**

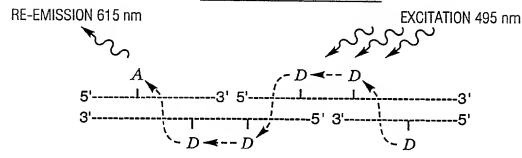


Fig. 3B

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#### SYSTEM BEFORE DENATURATION OF TARGET DNA

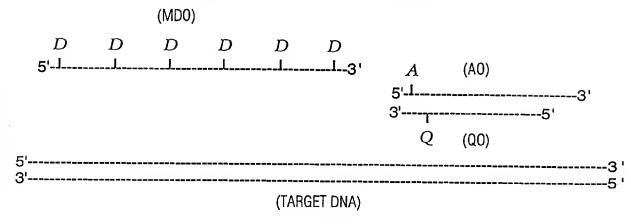


Fig. 4A

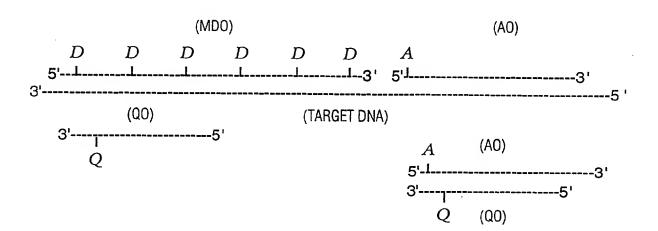


Fig. 4B